

- Zero Voltage and Random Turn-On Switching
- Panel Mount
- Status Indicating LED
- DC or AC Control
- Integrated Overvoltage Protection by Automatic Self Turn-On (Suffix P)

Featuring state-of-the-art Surface Mount Technology, these SPST-NO relays deliver proven reliability in the most demanding applications. Output consists of an SCR AC switch and is available in zero-cross or random turn-on versions. Manufactured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

| MODEL NUMBERS                                                         | CMD2425<br>CMA2425                             | CMD2450<br>CMA2450 | CMD2475<br>CMA2475 | CMD2490<br>CMA2490 | CMD24110<br>CMA24110 | CMD24125<br>CMA24125 |
|-----------------------------------------------------------------------|------------------------------------------------|--------------------|--------------------|--------------------|----------------------|----------------------|
| <b>OUTPUT SPECIFICATIONS</b> ①                                        |                                                |                    |                    |                    |                      |                      |
| Operating Voltage (47-63 Hz) [Vrms]                                   | 24-280                                         | 24-280             | 24-280             | 24-280             | 24-280               | 24-280               |
| Max. Load Current ③ [Arms]                                            | 25                                             | 50                 | 75                 | 90                 | 110                  | 125                  |
| Min. Load Current [Arms]                                              | 0.15                                           | 0.15               | 0.25               | 0.25               | 0.25                 | 0.25                 |
| Transient Overvoltage [Vpk]                                           | 600                                            | 600                | 600                | 600                | 600                  | 600                  |
| Max. Surge Current, (16.6ms) [A <sub>pk</sub> ]                       | 250                                            | 625                | 1000               | 1200               | 1500                 | 1750                 |
| Max. On-State Voltage Drop @ Rated Current [Vpk]                      | 1.6                                            | 1.6                | 1.6                | 1.6                | 1.6                  | 1.6                  |
| Thermal Resistance Junction to Case (R <sub>qJC</sub> ) [°C/W]        | 1.02                                           | 0.63               | 0.31               | 0.28               | 0.25                 | 0.22                 |
| Maximum I <sup>2</sup> t for Fusing, (8.3 msec.) [A <sup>2</sup> sec] | 260                                            | 1620               | 4150               | 6000               | 9340                 | 12700                |
| Max. Off-State Leakage Current @ Rated Voltage [mArms]                | 10                                             | 10                 | 10                 | 10                 | 10                   | 10                   |
| Min. Off-State dv/dt @ Max. Rated Voltage [V/μsec] ②                  | 500                                            | 500                | 500                | 500                | 500                  | 500                  |
| Max. Turn-On Time ④                                                   | 1/2 Cycle (DC Control), 10.0 msec (AC Control) |                    |                    |                    |                      |                      |
| Max. Turn-Off Time                                                    | 1/2 Cycle (DC Control), 40.0 msec (AC Control) |                    |                    |                    |                      |                      |
| Power Factor (Min.) with Max. Load                                    | 0.5                                            | 0.5                | 0.5                | 0.5                | 0.5                  | 0.5                  |

| <b>INPUT SPECIFICATIONS</b> ① | <b>DC CONTROL</b> | <b>AC CONTROL</b> |
|-------------------------------|-------------------|-------------------|
| Control Voltage Range         | 3-32 Vdc          | 90-140 Vrms       |
| Max. Reverse Voltage          | 32 Vdc            | —                 |
| Max. Turn-On Voltage          | 3.0 Vdc           | 90 Vrms           |
| Min. Turn-Off Voltage         | 1.0 Vdc           | 10 Vrms           |
| Max. Input Current            | 30.0mA ⑤          | —                 |
| Typical Input Current         | 17mA @ 5 Vdc      | 15mA @ 120 Vrms   |

## GENERAL NOTES

- ① All parameters at 25°C unless otherwise specified.  
 ② Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.11.1  
 ③ HEAT SINKING REQUIRED, for derating curves see page 2.  
 ④ Turn-on time for DC control random turn-on versions is 0.02msec.  
 ⑤ Input circuitry incorporates active current limiter.

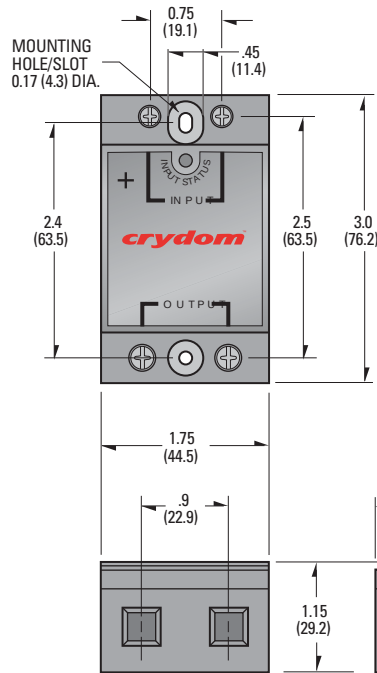
## GENERAL SPECIFICATIONS

|                                               |                     |
|-----------------------------------------------|---------------------|
| Dielectric Strength 50/60Hz Input/Output/Base | 4000 Vrms           |
| Insulation Resistance (Min.) @ 500 Vdc        | 10 <sup>9</sup> Ohm |
| Max. Capacitance Input/Output                 | 8 pF                |
| Ambient Operating Temperature Range           | -40 to 80°C         |
| Ambient Storage Temperature Range             | -40 to 125°C        |
| Status Indicating Display                     | Green LED           |

## MECHANICAL SPECIFICATIONS

|                                                               |                            |
|---------------------------------------------------------------|----------------------------|
| Weight: (typical)                                             | 3.0 oz. (86.5g)            |
| Encapsulation:                                                | Thermally Conductive Epoxy |
| Terminals:                                                    | Cage Type                  |
| Maximum Wire Size- Output: AWG 8 (3.8mm) Input: AWG12 (2.5mm) |                            |
| Recommended Terminal Screw Torque Range:                      |                            |
| Output: 10-15 in lb (1.1-1.7 Nm)                              |                            |
| Input: 5-6 in lb (0.6-0.7 Nm)                                 |                            |

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### MECHANICAL SPECIFICATIONS

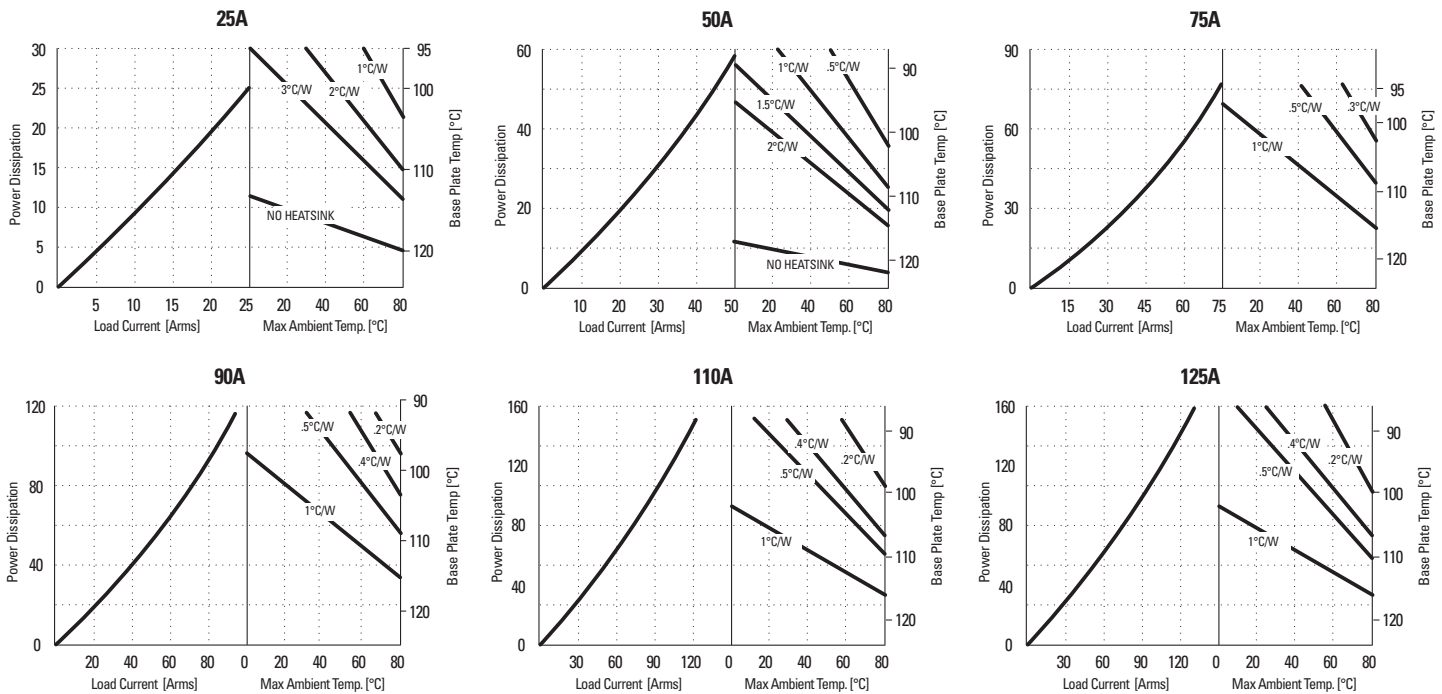
All dimensions are in inches (millimeters)

**CMD24/CMRA24** available with factory mounted heat sink and DIN rail mounting clip. Specifications available via FastFax, request document No. 171.

### AVAILABLE OPTIONS

- 10** Random Turn-On, Phase Controllable  
Example: **CMD2450-10**
- E** 24 Vac Input (18-36 Vac)  
Example: **CMA2450E**
- P** Internal Overvoltage Protection  
Relay Will Self Trigger Between 450-600 Vpk. Not Suitable For Capacitive Loads  
Example: **CMD2450P**

### CURRENT DERATING CURVES



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### APPROVALS

UL E116949, E116950  
CSA LR81689  
VDE 126921 UG (up to 90A models only)



- **Zero Voltage and Random Turn-On Switching**
- **Panel Mount**
- **Status Indicating LED**
- **DC or AC Control**
- **Integrated Overvoltage Protection by Automatic Self Turn-On (Suffix P)**

Featuring state-of-the-art Surface Mount Technology, these SPST-NO relays deliver proven reliability in the most demanding applications. Output consists of an SCR AC switch and is available in zero-cross or random turn-on versions.

Manufactured in Crydom's ISO 9001 Certified facility for optimum product performance and reliability.

| MODEL NUMBERS                                                         | CMD4825<br>CMA4825                             | CMD4850<br>CMA4850 | CMD4875<br>CMA4875 | CMD4890<br>CMA4890 | CMD48110<br>CMA48110 | CMD48125<br>CMA48125 |
|-----------------------------------------------------------------------|------------------------------------------------|--------------------|--------------------|--------------------|----------------------|----------------------|
| <b>OUTPUT SPECIFICATIONS ①</b>                                        |                                                |                    |                    |                    |                      |                      |
| Operating Voltage (47-63 Hz) [Vrms]                                   | 48-530                                         | 48-530             | 48-530             | 48-530             | 48-530               | 48-530               |
| Max. Load Current ③ [Arms]                                            | 25                                             | 50                 | 75                 | 90                 | 110                  | 125                  |
| Min. Load Current, [Arms]                                             | 0.15                                           | 0.15               | 0.25               | 0.25               | 0.25                 | 0.25                 |
| Transient Overvoltage [Vpk]                                           | 1200                                           | 1200               | 1200               | 1200               | 1200                 | 1200                 |
| Max. Surge Current, (16.6ms) [A <sub>pk</sub> ]                       | 250                                            | 625                | 1000               | 1200               | 1500                 | 1750                 |
| Max. On-State Voltage Drop @ Rated Current [Vpk]                      | 1.7                                            | 1.7                | 1.7                | 1.7                | 1.7                  | 1.7                  |
| Thermal Resistance Junction to Case (R <sub>qJC</sub> ) [°C/W]        | 1.02                                           | 0.63               | 0.31               | 0.28               | 0.25                 | 0.22                 |
| Maximum I <sup>2</sup> t for Fusing, (8.3 msec.) [A <sup>2</sup> sec] | 260                                            | 1620               | 4150               | 6000               | 9340                 | 12700                |
| Max. Off-State Leakage Current @ Rated Voltage [mArms]                | 10                                             | 10                 | 10                 | 10                 | 10                   | 10                   |
| Min. Off-State dv/dt @ Max. Rated Voltage [V/μsec] ②                  | 500                                            | 500                | 500                | 500                | 500                  | 500                  |
| Max. Turn-On Time ④                                                   | 1/2 Cycle (DC Control), 10.0 msec (AC Control) |                    |                    |                    |                      |                      |
| Max. Turn-Off Time                                                    | 1/2 Cycle (DC Control), 40.0 msec (AC Control) |                    |                    |                    |                      |                      |
| Power Factor (Min.) with Max. Load                                    | 0.5                                            | 0.5                | 0.5                | 0.5                | 0.5                  | 0.5                  |

| INPUT SPECIFICATIONS ① | DC CONTROL   | AC CONTROL      |
|------------------------|--------------|-----------------|
| Control Voltage Range  | 4-32 Vdc     | 90-140 Vrms     |
| Max. Reverse Voltage   | 32 Vdc       | —               |
| Max. Turn-On Voltage   | 4.0 Vdc      | 90 Vrms         |
| Min. Turn-Off Voltage  | 1.0 Vdc      | 10 Vrms         |
| Max. Input Current     | 30.0mA ⑤     | —               |
| Typical Input Current  | 14mA @ 5 Vdc | 15mA @ 120 Vrms |

## GENERAL SPECIFICATIONS

|                                               |                     |
|-----------------------------------------------|---------------------|
| Dielectric Strength 50/60Hz Input/Output/Base | 4000 Vrms           |
| Insulation Resistance (Min.) @ 500 Vdc        | 10 <sup>9</sup> Ohm |
| Max. Capacitance Input/Output                 | 8 pF                |
| Ambient Operating Temperature Range           | -40 to 80°C         |
| Ambient Storage Temperature Range             | -40 to 125°C        |
| Status Indicating Display                     | Green LED           |

## MECHANICAL SPECIFICATIONS

|                                                               |                                  |
|---------------------------------------------------------------|----------------------------------|
| Weight: (typical)                                             | 3.0 oz. (86.5g)                  |
| Encapsulation:                                                | Thermally Conductive Epoxy       |
| Terminals:                                                    | Cage Type                        |
| Maximum Wire Size- Output: AWG 8 (3.8mm) Input: AWG12 (2.5mm) |                                  |
| Recommended Terminal Screw Torque Range:                      |                                  |
|                                                               | Output: 10-15 in lb (1.1-1.7 Nm) |
|                                                               | Input: 5-6 in lb (0.6-0.7 Nm)    |

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## GENERAL NOTES

- ① All parameters at 25° C unless otherwise specified.
- ② Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.11.1
- ③ HEAT SINKING REQUIRED, for derating curves see page 2.
- ④ Turn-on time for DC control random turn-on versions is 0.02msec.
- ⑤ Input circuitry incorporates active current limiter.

For recommended applications and more information contact:

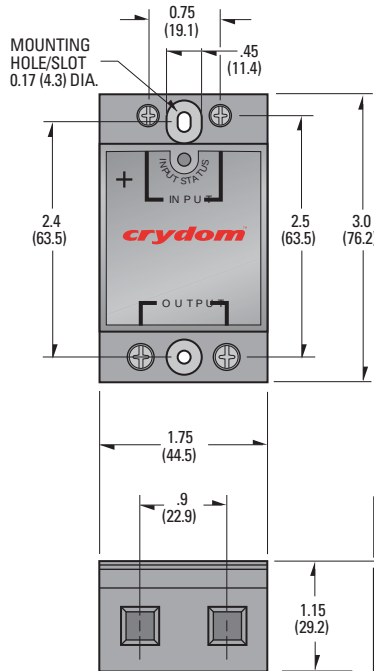
**USA:** Sales Support (877) 502-5500 **Tech Support** (877) 702-7700 FAX (619) 710-8540

Crydom Inc., 2320 Paseo de las Americas, Ste. 201, San Diego, CA 92154

**Email:** sales@crydom.com **WEB SITE:** http://www.crydom.com

**UK:** +44 (0)1202 606030 • **FAX** +44 (0)1202 606035 Crydom SSR Ltd., Arena Business Centre, Holyrood Close, Poole, Dorset BH17 7FJ, Email: intsales@crydom.com.

**GERMANY:** +49 (0)180 3000 506



### MECHANICAL SPECIFICATIONS

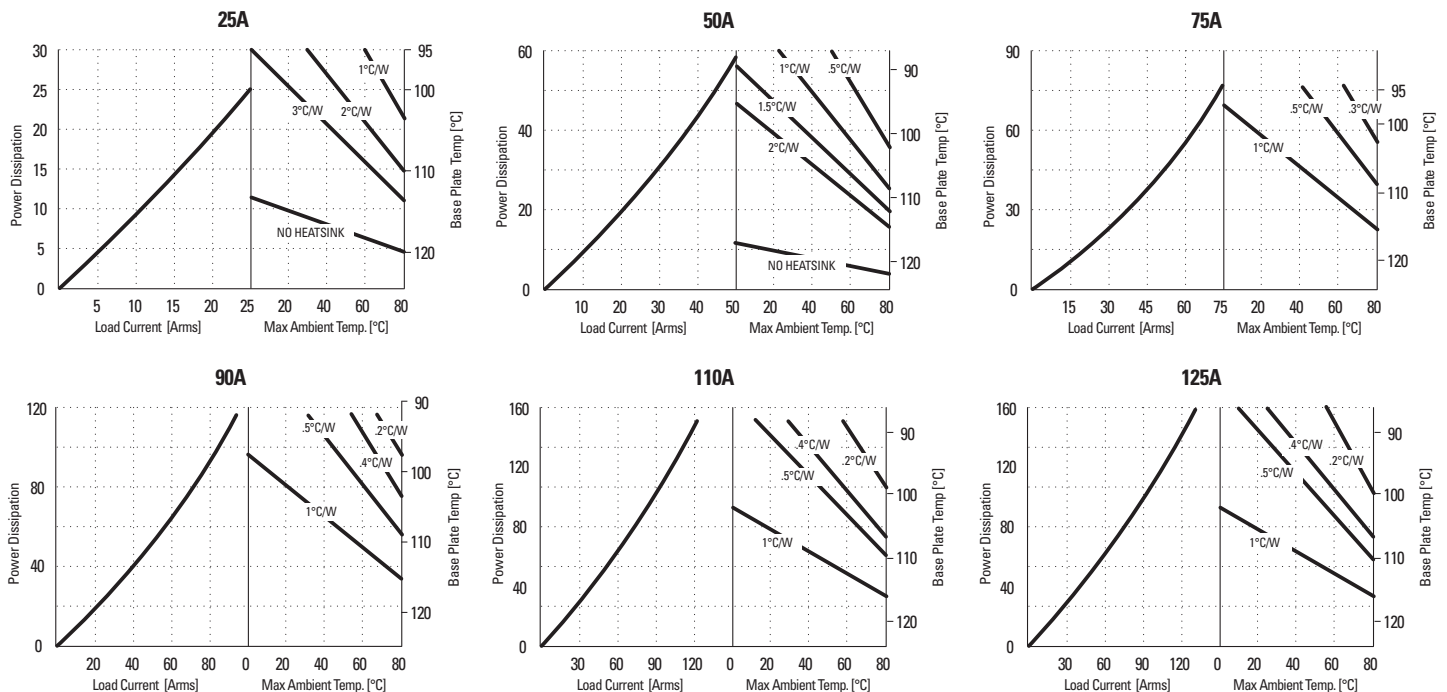
All dimensions are in inches (millimeters)

CMRD48/CMRA48 available with factory mounted heat sink and DIN rail mounting clip. Specifications available via FastFax, request document No. 171.

### AVAILABLE OPTIONS

- 10** Random Turn-On, Phase Controllable  
Example: **CMD4850-10**
- E** 24 Vac Input (18-36 Vac)  
Example: **CMA4850E**
- P** Internal Overvoltage Protection.  
Relay Will Self Trigger Between 900-1200Vpk. Not suitable For Capacitive Loads.  
Example: **CMD4850P**

### CURRENT DERATING CURVES



### APPROVALS

UL E116949, E116950  
CSA LR81689  
VDE 126921 UG (up to 90A models only)



- Zero Voltage and Random Turn-On Switching
- Panel Mount
- Status Indicating LED
- DC or AC Control
- Integrated Overvoltage Protection by Automatic Self Turn-On (Suffix P)

Featuring state-of-the-art Surface Mount Technology, these SPST-NO relays deliver proven reliability in the most demanding applications. Output consists of an SCR AC switch and is available in zero-cross or random turn-on versions.

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| MODEL NUMBERS                                                         | CMD6025                                        | CMD6050 | CMD6075 | CMD6090 | CMD60110 | CMD60125 |
|-----------------------------------------------------------------------|------------------------------------------------|---------|---------|---------|----------|----------|
| OUTPUT SPECIFICATIONS ①                                               | CMA6025                                        | CMA6050 | CMA6075 | CMA6090 | CMA60110 | CMA60125 |
| Nominal Line Voltage (±10%) [Vrms]                                    | 600                                            | 600     | 600     | 600     | 600      | 600      |
| Operating Voltage (47-63 Hz) [Vrms]                                   | 48-660                                         | 48-660  | 48-660  | 48-660  | 48-660   | 48-660   |
| Max. Load Current ③ [Arms]                                            | 25                                             | 50      | 75      | 90      | 110      | 125      |
| Min. Load Current, [Arms]                                             | 0.15                                           | 0.15    | 0.25    | 0.25    | 0.25     | 0.25     |
| Transient Overvoltage [Vpk]                                           | 1200                                           | 1200    | 1200    | 1200    | 1200     | 1200     |
| Max. Surge Current, (16.6ms) [Apk]                                    | 250                                            | 625     | 1000    | 1200    | 1500     | 1750     |
| Max. On-State Voltage Drop @ Rated Current [Vpk]                      | 1.7                                            | 1.7     | 1.7     | 1.7     | 1.7      | 1.7      |
| Thermal Resistance Junction to Case (R <sub>qJC</sub> ) [°C/W]        | 1.02                                           | 0.63    | 0.31    | 0.28    | 0.25     | 0.22     |
| Maximum I <sup>2</sup> t for Fusing, (8.3 msec.) [A <sup>2</sup> sec] | 260                                            | 1620    | 4150    | 6000    | 9340     | 12700    |
| Max. Off-State Leakage Current @ Rated Voltage [mArms]                | 1.0                                            | 1.0     | 1.0     | 1.0     | 1.0      | 1.0      |
| Min. Off-State dv/dt @ Max. Rated Voltage [V/μsec] ②                  | 500                                            | 500     | 500     | 500     | 500      | 500      |
| Max. Turn-On Time ④                                                   | 1/2 Cycle (DC Control), 10.0 msec (AC Control) |         |         |         |          |          |
| Max. Turn-Off Time                                                    | 1/2 Cycle (DC Control), 40.0 msec (AC Control) |         |         |         |          |          |
| Power Factor (Min.) with Max. Load                                    | 0.5                                            | 0.5     | 0.5     | 0.5     | 0.5      | 0.5      |

| INPUT SPECIFICATIONS ① | DC CONTROL   | AC CONTROL      |
|------------------------|--------------|-----------------|
| Control Voltage Range  | 4-32 Vdc     | 90-140 Vrms     |
| Max. Reverse Voltage   | 32 Vdc       | —               |
| Max. Turn-On Voltage   | 4.0 Vdc      | 90 Vrms         |
| Min. Turn-Off Voltage  | 1.0 Vdc      | 10 Vrms         |
| Max. Input Current     | 30.0mA ⑤     | —               |
| Typical Input Current  | 14mA @ 5 Vdc | 15mA @ 120 Vrms |

### GENERAL NOTES

- ① All parameters at 25°C unless otherwise specified.  
 ② Off-State dv/dt test method per EIA/NARM standard RS-443, paragraph 13.11.1  
 ③ HEAT SINKING REQUIRED, for derating curves see page 2.  
 ④ Turn-on time for DC control random turn-on versions is 0.02msec.  
 ⑤ Input circuitry incorporates active current limiter.

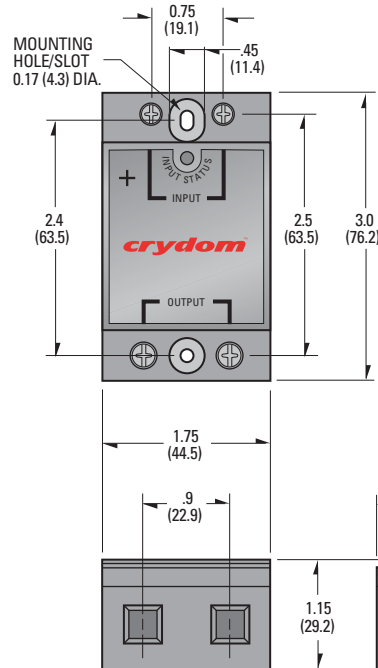
### GENERAL SPECIFICATIONS

|                                               |                     |
|-----------------------------------------------|---------------------|
| Dielectric Strength 50/60Hz Input/Output/Base | 4000 Vrms           |
| Insulation Resistance (Min.) @ 500 Vdc        | 10 <sup>9</sup> Ohm |
| Max. Capacitance Input/Output                 | 8 pF                |
| Ambient Operating Temperature Range           | -40 to 80°C         |
| Ambient Storage Temperature Range             | -40 to 125°C        |
| Status Indicating Display                     | Green LED           |

### MECHANICAL SPECIFICATIONS

|                                                               |                            |
|---------------------------------------------------------------|----------------------------|
| Weight: (typical)                                             | 3.0 oz. (86.5g)            |
| Encapsulation:                                                | Thermally Conductive Epoxy |
| Terminals:                                                    | Cage Type                  |
| Maximum Wire Size- Output: AWG 8 (3.8mm) Input: Awg12 (2.5mm) |                            |
| Recommended Terminal Screw Torque Range:                      |                            |
| Output: 10-15 in lb (1.1-1.7 Nm)                              |                            |
| Input: 5-6 in lb (0.6-0.7 Nm)                                 |                            |

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### MECHANICAL DIMENSIONS

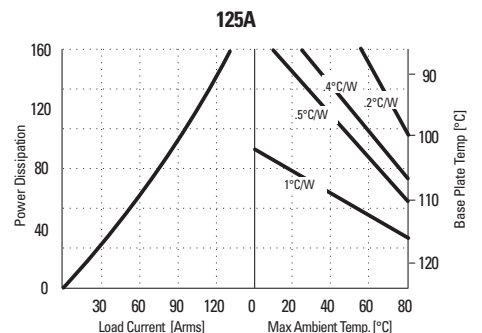
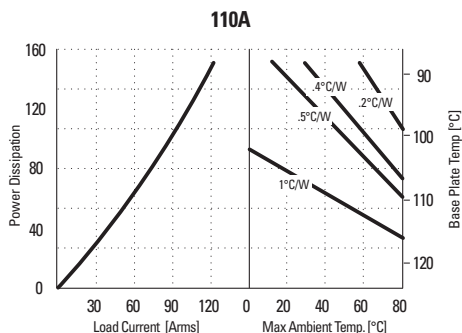
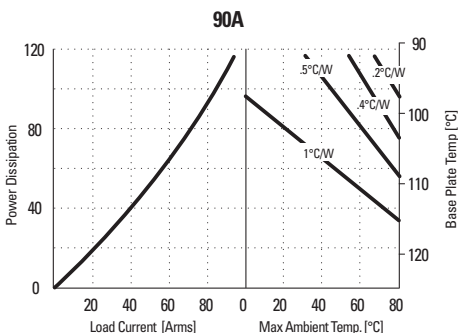
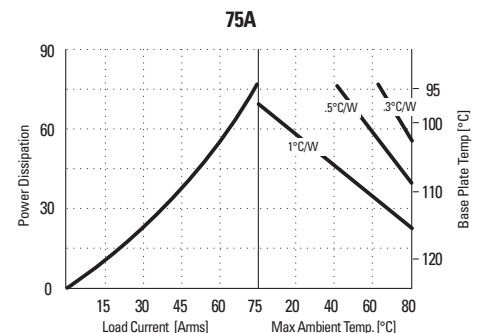
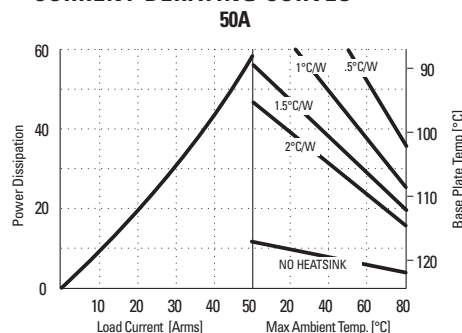
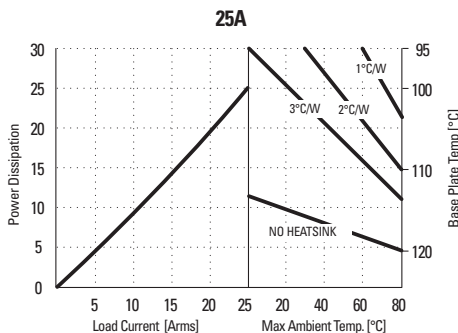
All dimensions are in inches (millimeters)

**CMD60/CMRA60** available with factory mounted heat sink and DIN rail mounting clip. Specifications available via FastFax, request document No. 171.

### AVAILABLE OPTIONS

- 10 Random Turn-On, Phase Controllable  
Example: **CMD6050-10**
- E 24 Vac Input (18-36 Vac)  
Example: **CMA6050E**
- P Internal Overvoltage Protection. Relay Will Self Trigger Between 900-1200Vpk. Not Suitable For Capacitive Loads.  
Example: **CMD6050P**

### CURRENT DERATING CURVES



### APPROVALS

UL E116949, E116950  
CSA LR81689  
VDE 126921 UG (up to 90A models only)



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**DANGER / PELIGRO / DANGER /GEFAHR / PERICOLO / PERIGO**

|                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH.</b> <ul style="list-style-type: none"><li>Disconnect all power before installing or working with this equipment.</li><li>Verify all connections and replace all covers before turning on power.</li></ul> <b>Failure to follow these instructions will result in death or serious injury.</b> | <b>RIESGO DE DESCARGA ELECTRICA O EXPLOSION.</b> <ul style="list-style-type: none"><li>Desconectar todos los suministros de energia a este equipo antes de trabajar con este equipo.</li><li>Verificar todas las conexiones y colocar todas las tapas antes de energizar el equipo.</li></ul> <b>El incumplimiento de estas instrucciones puede provocar la muerte o lesiones serias.</b> | <b>RISQUE DE DESCARGE ELECTRIQUE OU EXPLOSION</b> <ul style="list-style-type: none"><li>Eteindre toutes les sources d'énergie de cet appareil avant de travailler dessus de cet appareil</li><li>Vérifier tous connections, et remettre tous couverts en place avant de mettre sous</li></ul> <b>De non-suivi de ces instructions provoquera la mort ou des lésions sérieuses.</b> | <b>GEFAHR EINES ELEKTRISCHEN SCHLAGES ODER EINER EXPLOSION.</b> <ul style="list-style-type: none"><li>Stellen Sie jeglichen Strom ab, der dieses Gerät versorgt, bevor Sie an dem Gerät Arbeiten durchführen</li><li>Vor dem Drehen auf Energie alle Anschlüsse überprüfen und alle Abdeckungen ersetzen.</li></ul> <b>Unterlassung dieser Anweisungen können zum Tode oder zu schweren Verletzungen führen.</b> | <b>RISCHIO DI SCOSSA ELETTRICA O DELL'ESPLOSIONE.</b> <ul style="list-style-type: none"><li>Spenga tutta l'alimentazione e che fornisce questa apparecchiatura prima del lavorare a questa apparecchiatura</li><li>Verificare tutti i collegamenti e sostituire tutte le coperture prima della rotazione sull'alimentazione</li></ul> <b>L'omissione di seguire queste istruzioni provocherà la morte o di lesioni serie</b> | <b>RISCO DE DESCARGA ELÉTRICA OU EXPLOÇÃO</b> <ul style="list-style-type: none"><li>Desconectar o equipamento de toda a energia antes de instalar ou trabalhar com este equipamento to</li><li>Verificar todas as conexões e recolocar todas as tampas antes de religar o equipamento</li></ul> <b>O não cumprimento destas instruções pode levar à morte ou lesões sérias.</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**WARNING / AVERTISSEMENT / WARNUNG /ADVERTENCIA / AVVERTENZA / AVISO**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>RISK OF MATERIAL DAMAGE AND HOT ENCLOSURE</b> <ul style="list-style-type: none"><li>The product's side panels may be hot, allow time for product to cool before touching.</li><li>Follow proper mounting instructions including torque values.</li><li>Do not allow liquids or foreign objects to enter this product.</li></ul> <b>Failure to follow this instruction can result in serious injury, or equipment damage.</b>                                                                        | <b>RISQUE DE DOMMAGE MATERIEL ET DE SURCHAUFFE DU BOITIER</b> <ul style="list-style-type: none"><li>Les panneaux latéraux du produit peuvent être chauds. Laisser le produit refroidir avant de le toucher.</li><li>Respecter les consignes de montage, et notamment les couples de serrage.</li><li>Ne pas laisser pénétrer de liquide ni de corps étrangers à l'intérieur du produit.</li></ul> <b>Le non-respect de cette directive peut entraîner, des lésions corporelles graves ou des dommages matériels.</b> | <b>GEFAHR VON MATERIALSCHÄDEN UND GEHÄUSEERHITZUNG</b> <ul style="list-style-type: none"><li>Die Seitenwände können heiß sein. Lassen Sie das Produkt abkühlen, bevor Sie es berühren.</li><li>Beachten Sie die Montageanweisungen,</li><li>Führen Sie keine Flüssigkeiten oder Fremdkörper in das Produkt ein.</li></ul> <b>Die Nichtbeachtung dieser Anweisung kann Körperverletzung oder Materialschäden zur Folge haben.</b>                    |
| <b>RIESGO DE DAÑOS MATERIALES Y DE SOBRECALENTAMIENTO DE LA UNIDAD</b> <ul style="list-style-type: none"><li>Los paneles laterales del producto pueden estar calientes. Esperar que el producto se enfríe antes de tocarlo.</li><li>Respetar las instrucciones de montaje, y en particular los pares de apretado.</li><li>No dejar que penetren líquidos o cuerpos extraños en el producto.</li></ul> <b>Si no se respetan estas precauciones pueden producirse graves lesiones, daños materiales.</b> | <b>RISCHIO DI DANNI MATERIALI E D'INVOLUCRO CALDO</b> <ul style="list-style-type: none"><li>I pannelli laterali dell'apparecchio possono scottare; lasciar quindi raffreddare il prodotto prima di toccarlo.</li><li>Seguire le istruzioni di montaggio corrette.</li><li>Non far entrare liquidi o oggetti estranei in questo apparecchio.</li></ul> <b>La mancata osservanza di questa precauzione può causare gravi rischi per l'incolumità personale o danni alle apparecchiature.</b>                           | <b>RISCO DE DANO MATERIAL E DE AQUECIMENTO</b> <ul style="list-style-type: none"><li>Os painéis laterais do produto podem estar quentes; dê tempo ao produto para arrefecer antes de lhe tocar.</li><li>Siga devidamente as instruções de montagem.</li><li>Não permita a entrada de líquidos e de objectos estranhos no produto.</li></ul> <b>A não observância destas precauções pode provocar a morte, ferimentos graves ou danos materiais.</b> |

## ANNEX – ENVIRONMENTAL INFORMATION:

The environmental information disclosed in this annex including the EIP Pollution logo are in compliance with People's Republic of China Electronic Industry Standard SJ/T11364 – 2006, Marking for Control of Pollution Caused by Electronic Information Products.

| Part Name         | Toxic or hazardous Substance and Elements |              |              |                               |                                |                                       |
|-------------------|-------------------------------------------|--------------|--------------|-------------------------------|--------------------------------|---------------------------------------|
|                   | Lead (Pb)                                 | Mercury (Hg) | Cadmium (Cd) | Hexavalent Chromium (Cr (VI)) | Polybrominated biphenyls (PBB) | Polybrominated diphenyl ethers (PBDE) |
| Semiconductor die | X                                         | O            | O            | O                             | O                              | O                                     |
| Solder            | X                                         | O            | O            | O                             | O                              | O                                     |

### 附件 - 环保信息:

此附件所标示的包括电子信息产品污染图标的环境信息  
符合中华人民共和国电子行业标准 **SJ/T11364 - 2006**,  
电子信息产品污染控制标识要求

| 部件名称  | 有毒有害物质或元素 |        |        |               |            |              |
|-------|-----------|--------|--------|---------------|------------|--------------|
|       | 铅 (Pb)    | 汞 (Hg) | 镉 (Cd) | 六价铬 (Cr (VI)) | 多溴联苯 (PBB) | 多溴二苯醚 (PBDE) |
| 半导体芯片 | X         | O      | O      | O             | O          | O            |
| 焊接点   | X         | O      | O      | O             | O          | O            |

